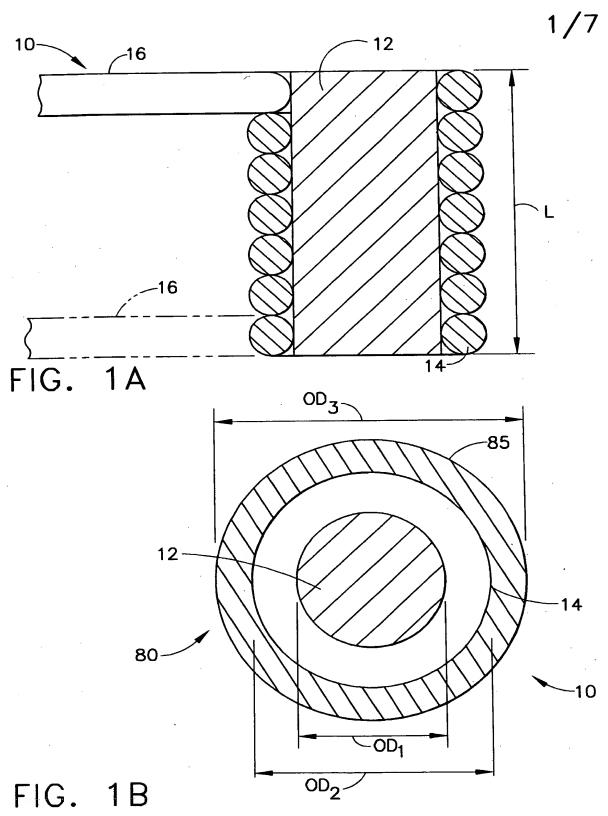


MEDICAL DEVICE WITH POSITION SENSOR HAVING ACCURACY AT HIGH TEMPERATURES INVENTOR: ASSAF GOVARI

DOCKET: BIO-131

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218



INVENTOR: ASSAF GOVARI

DOCKET: BIO-131

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218





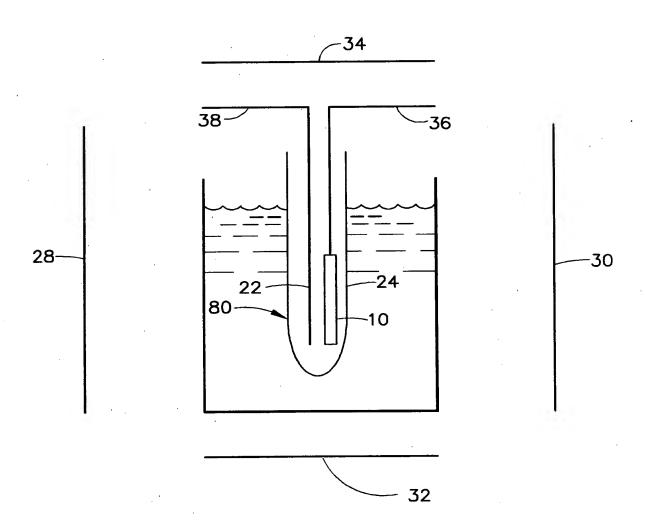


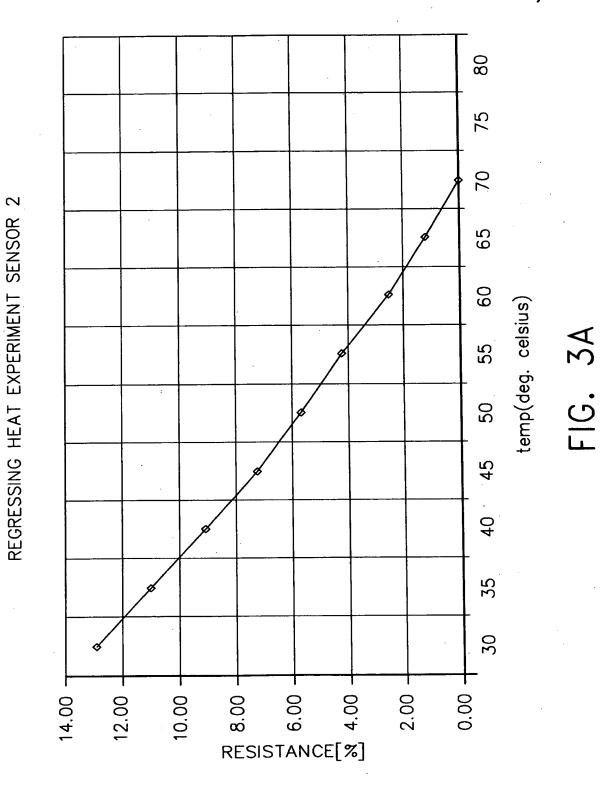
FIG. 2

INVENTOR: ASSAF GOVARI DOCKET: BIO-131

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218



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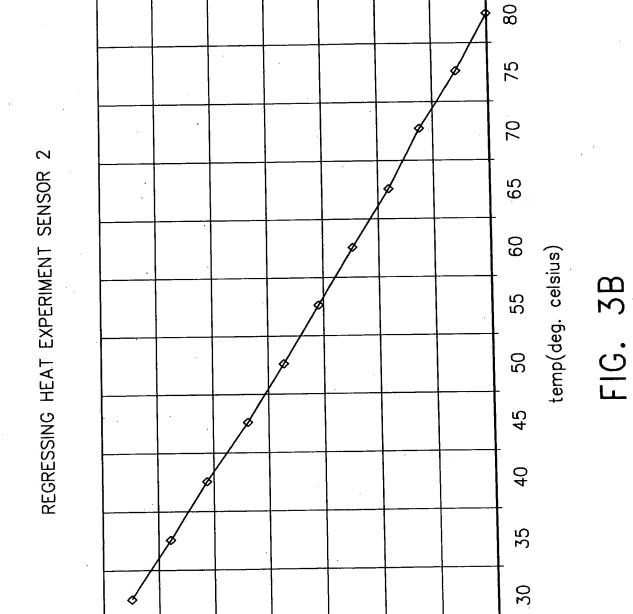




MEDICAL DEVICE WITH POSITION SENSOR HAVING ACCURACY AT HIGH TEMPERATURES INVENTOR: ASSAF GOVARI

DOCKET: BIO-131

ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218



1.00

1.20

0.80

0.00

0.20

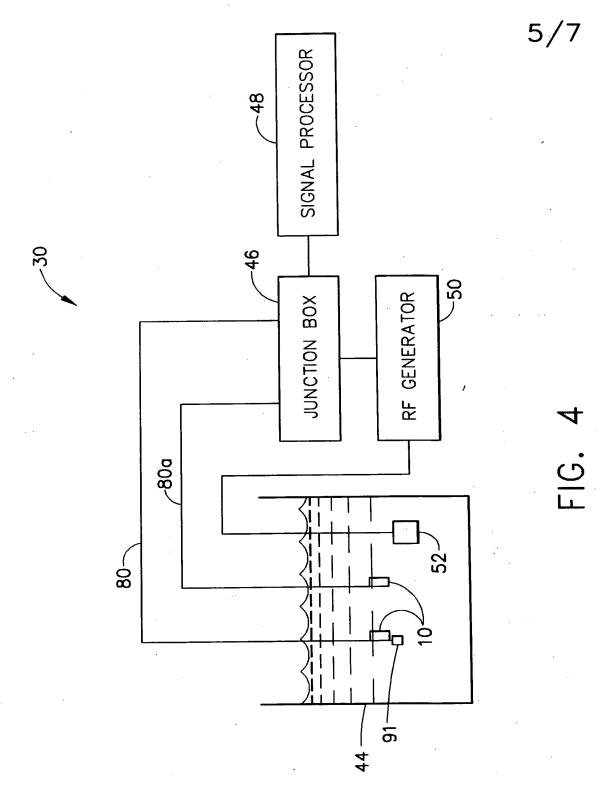
0.40

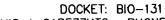
0.60

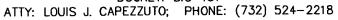
SENSITIVITY[%]



MEDICAL DEVICE WITH POSITION SENSOR HAVING ACCURACY AT HIGH TEMPERATURES INVENTOR: ASSAF GOVARI DOCKET: BIO-131
ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218









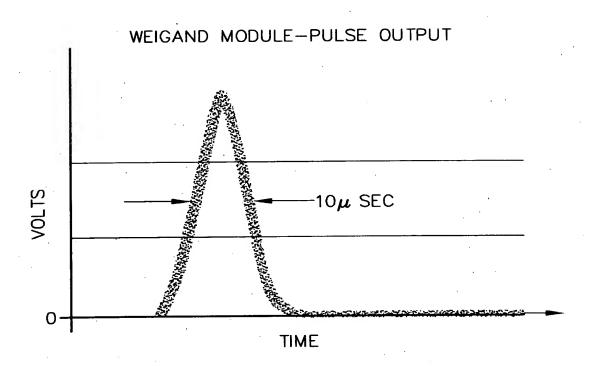


FIG. 5



MEDICAL DEVICE WITH POSITION SENSOR HAVING ACCURACY AT HIGH TEMPERATURES.

INVENTOR: ASSAF GOVARI

DOCKET: BIO-131
ATTY: LOUIS J. CAPEZZUTO; PHONE: (732) 524-2218

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1	7			~			7	\sim			\overline{a}			\neg			
		resistance	13.25	11.28	9.42	7.85	6.27	4.58	3.14	1.40	0.0			279			
			185.60	188.90	192.10	194.90	197.80	200.80	203.80	207.30	210.20	212.20		-0.3279			
	7	ity	1.26	1.14	1.03	0.90	0.77	0.64	0.52	0.38	0.25	0.13	0.00	54			
			sensitivity	1.31 171.80 13.17 2.6864 1.26 185.60 13.25	2.6896	2.8728	2.8765	2.8801	2.8838	2.8875	2.8913	2.8952	2.8986 0.13 212.20	2.9024 0.00	-0.0254		
		931	13.17	11.42	9.50	7.95	6.95	4.80	3.19	1.25	0.00			05			
		resistance	171.80	174.30	177.20	179.90	182.80	185.30	188.20	191.80	194.20	196.40		-0.3305			
MEN	3	ty.	1.31	1.18	1.06	0.92	0.76	0.62	0.45	0.34	0.24	0.10	00.00	789			
REGRESSING HEAT EXPERIMENT					sensitivity	165.20 [12.89] 2.4537	168.00 [11.01 2.4567 1.18 174.30 [11.42 2.6896 1.14 188.90 1	181.80 9.19 2.3990 1.03 171.00 9.06 2.4598 1.06 177.20 9.50 2.8728 1.03 192.10 9.42	184.40 7.65 2.4025 0.86 173.90 7.25 2.4632 0.92 179.90 7.95 2.8765 0.90 194.90 7	5.92 2.4057 0.74 176.40 5.73 2.4670 0.76 182.80 6.95 2.8801 0.77 197.80 6.27	190.40 4.25 2.4087 0.62 178.90 4.25 2.4705 0.62 185.30 4.80 2.8838 0.64 200.80 4.58	192.80 2.96 2.4116 0.50 181.80 2.59 2.4744 0.45 188.20 3.19 2.8875 0.52 203.80	195.80 1,38 2,4148 0,36 184,30 1.19 2,4774 0,34 191,80 1.25 2,8913 0,38 207.30	198.50 0.00 2.4176 0.25 186.50 0.00 2.4799 0.24 194.20 0.00 2.8952 0.25 210.20	2.4833 0.10 196.40	2.4859	-0.0289
		ge	12.89	11.01	90.6	7.25	5.73	4.25	2.59	1.19	00'0			233			
	_	resistance	165.20	168.00	171.00	173.90	176.40	178.90	181.80	184.30	186.50			-0.3233			
SSI		<u>></u>	1.30	1.18	1.03	0.86	0.74	0.62	0.50	0.36	0.25	0.12	0.00	23			
REGRE		sensitivity	176.30 12.59 2.3925 1.30	178.90 10.96 2.3958 1.18	2.3990	2.4025	2.4057	2.4087	2.4116	2.4148	2.4176	2.4207 0.12	2.4236	0250			
		92	12.59	10.96	9.19	7.65	5.92	4.25	2.96	1.38	0.00			35			
		resistance	176.30	178.90	181.80	184.40	187.40	190.40	192.80	195.80	198.50			-0.3165			
		_ 	1.39	1.25	1.13	1.00	0.89	0.75	0.63	0.51	0.37	0.21	0.00	99			
		sensitivi	2.6290	2.6327	2.6356	2.6390	2.6419	2.6457	2.6489	2.6519	2.6567	2.6599	2.6555	-0.02			
			30	35	40	45	20	55	09	65	70	75	8	slope			

			,		,								
∞.	resistance	175.40 11.74	177.40 10.48	179.20 9.38	8.30 2.4387 0.92 171.00 12.75 2.5070 0.84 180.60 8.53	0 6.81	5.89	0 2.40	0.98	0.00			-0.3069
			177.4	179.2	180.6	183.5	185.10	191.40	1194.10	196.0		_	위
	sensitivity	12 1.11	9 1.00	3 0.91	0 0.84	3 0.75	4 0.58	7 0.49	8 [0.45	5 0.26	2.5247 0.13	2.5280 0.00	-0.0219
		7 2.500	12.502	12.505	, 2.507	2.509	2.513	2.515	2.516	2.521	2.524	2.528	9
	resistance	20.2	119.23) [15.94	112.75) 11.51	10.74	4.84	1.37	0.00			-0.5271
	resis	160.3%	1.20 161.70 19.23 2.5029 1.00	166.30	171.00	172.90	174 10	183.90	190.20	0.25 192.80 0.00 2.5215 10.26 196.00			0-
	livity	1.32		1.05	0.92	0.75	0.61	0.48	0.39	0.25		0.00	-0.0266
	sensitivity	13.02 2.4290 1.32 1160.32 20.27 2.5002 1.11	11.56 2.4319	10.06 2.4356 1.05 1166.30 15.94 2.5053 0.91	2.4387	6.71 2.4428 0.75 172.90 11.51 2.5093 0.75 183.50 6.81	5.35 2.4452 0.61 174.10 10.74 2.5134 0.58 185.10	3.84 2.4494 0.48 1183.90 4.84 2.5157 0.49 191.40	2 49 2 4516 0 39 190 20 1.37 2 5168 0 45 194 10	1.23 2.4546	0.00 2.4580	2.4511	- 0
9	resistance	13.02	11.56		8.30	6.71	5.35	3.84	₩	_	0.00		934
		167.4	169.6	171.9	174.7	177.3	179.6	182.2	184.6	186.9	189.2		-0.2934
	sensitivity	1.25	1.15	1.04	0.00	0.79	99.0	0.52	0.38	0.27	0.13	0.00	-0.0253
		12.16 2.4057 1.25	10.49 2.4061 1.15	8.90 2.4108 1.04	717 24141 (5.38 2.4157 0.79	3 9 3 2 4 1 9 6 (2 4232 0.52	103 24265 0 38	0.00 2.4293 (2 4326 (2 4358	-0.(
5	resistance	12.16	10.49	8.90	717	5 38	393	2.20	103	000	20.5		124
		235.7	239.3	242.8	746 7	250.9	254 4	258 7	2617	264.4	9679		-0.3
	sensitivity	8	0.92	0.84	0.74	0.62	0.51		_	0.07	010	900	35.25
		3.3480	3,3506	3,3533	3 3568	3,3605	3 3647	7.3674	4 4708	3,7700	3 3780	3 3815	-0.2
		30	35	40	45	25	25	36	3 5	202	75	2	slope